

ABSTRACT OF THE DISCLOSURE

5 A head-up display system for an automotive vehicle,
comprising a transparent plate. A liquid crystal display is provided
for generating a display light of information, in which the display
light has a plane of polarization inclined by an angle of about 45°
relative to a vertical axis of an image plane of the liquid crystal
display. A first optical rotation layer is disposed to a first surface of
the transparent plate. The optical rotation layer is adapted to
receive the display light from the liquid crystal display and to
10 optically rotate the plane of polarization of the display light by an
angle of about 90° . A second optical rotation layer is disposed
between the image plane of the liquid crystal display and a second
surface of the transparent plate. The optical rotation layer is
adapted to optically rotate the plane of polarization of the display
15 light from liquid crystal display by an angle of about 45° and to allow
S-polarized light to outgo toward the transparent plate at Brewster's
an. The S-polarized light is reflected on a side of the second surface
of the transparent plate to be directed toward an eye of an operator.

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